

C E 411: Structural Analysis

Classification and analysis of simple structural systems; ASCE-7 provisions for minimum loads; virtual work and virtual displacement methods; introduction to flexibility and displacement matrix methods; stiffness matrices for rod, frame, and slab elements; computational tools.

3 Credits

Prerequisites

- Engr 312: Mechanics of Materials \$target.descriptions.MinimumGrade\$
- Pre-Requisite: 24 Earned Hours

Cross-listed Courses

• M E 421: Structural Analysis

Instruction Type(s)

Lecture: Lecture for C E 411

Subject Areas

- <u>Civil Engineering, General</u>
- <u>Structural Engineering</u>

Related Areas

- <u>Civil Engineering, Other</u>
- Geotechnical and Geoenvironmental Engineering
- <u>Transportation and Highway Engineering</u>
- Water Resources Engineering

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